

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	567	((wash\$3 or clean\$3 or laundry) adj (device or machine or apparatus)) same (drum) same (steam)	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 12:09
L2	68	L1 and ((rotat\$4 adj per adj min) or (RPM) or (R\$1P \$1M\$1) or (R/m) or (r/min))	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 12:10
L4	295	68/5R.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 12:16
L5	599	68/5C.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 12:16
L6	502	68/5E.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 12:16
L7	1761	134/30.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 12:16
L8	3098	L4 or L5 or L6 or L7	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 12:16
L9	343	L8 and (steam with dry\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 12:16
L10	128	L8 and (steam same dry\$3 same (drum or tub))	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 12:18
L11	10	(US-20050000033-\$ or US-20020133886-\$ or US-20040187527-\$ or US-20040255391-\$ or US-20040244432-\$ or US-20050034488-\$ or US-20040206133-\$ or US-20050217035-\$).did. or (US-5289703-\$).did. or (US-3443406-\$).did.	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 14:24
L12	4	11 and (predetermined adj time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/03/08 14:24
L13	7	(US-20020133886-\$ or US-20040187527-\$ or US-20050034488-\$ or US-20040206133-\$ or US-20050217035-\$).did. or (US-5289703-\$).did. or (US-3443406-\$).did.	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 14:30

L14	53	("1501746" "1570552" "1755101" "1755746" "1852179" "2431246" "2574098" "2664094" "2880300" "3025381" "3203013" "3402576" "3410986" "3443406" "3583181" "3615822" "3730682" "4287407" "4471792" "4527343" "5180438" "5219371" "5255840" "5361322" "5392738" "5425255" "5439655" "5827329" "5962288" "5989203" "6161306" "6299076" "6311527" "6477868" "6585781" "6811811" "6854300" "7021087").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 14:35
L15	4	("5180438" or ("2574098") or ("4471792")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/08 14:36
L16	11	("5180438" or ("2574098") or ("4471792") or ("3615822") or ("5355840") or ("4287407") or ("3410986") or ("3035381")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/08 14:37
L17	1	("7490493").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/08 14:37
L18	5	14 and (predetermined adj time)	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 14:38
L19	1	("20050132503").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/08 14:40
L20	1	("20040187527").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/08 14:43
L21	1	(10/753496).APP.	USPAT; USOCR	AND	ON	2011/03/08 14:43
L28	0	14 and (steam with soak \$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/03/08 14:50
L29	0	14 and (steam same soak \$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/03/08 14:50
L30	4	14 and (steam same wet)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/03/08 14:50

L31	4	14 and (steam with wet)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/03/08 14:50
L32	4	30 or 31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/03/08 14:50
L33	39	((wash\$3 or clean\$3 or laundry) adj (device or machine or apparatus)) same (steam with soak\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 14:51
L34	132	((wash\$3 or clean\$3 or laundry) adj (device or machine or apparatus)) and (steam with soak\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 14:51
L35	132	((wash\$3 or clean\$3 or laundry) adj (device or machine or apparatus)) and (steam with soak\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 14:52
L36	84	(cloth\$4 or laundry) same (steam with soak\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 14:56
L37	9	(07/911370 09/849893 10/517045 10/753496 10/753498 10/758112). APP.	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 14:57
L38	100	("0119859" "0241063" "1038468" "1172744" "1247798" "1301055" "1641780" "1847159" "2330421" "2406494" "2580435" "2637514" "2908086" "2995918" "3116243" "3116626" "3302433" "3304751" "3358301" "3369985" "3387310" "3387385" "3444710" "3509742" "3524263" "3546903" "4207638" "4285219" "4756623").PN. OR ("2002/0133886" "2004/0187527" "2004/0206133" "2005/0034488" "2005/0217035" "3203013" "3443406" "5289703").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 14:57

L39	318	("0119859" "0241063" "1038468" "1172744" "1247798" "1301055" "1501746" "1570552" "1641780" "1646299" "1755101" "1755746" "1847159" "1852179" "1940549" "1948879" "1990691" "20040261824" "2037568" "2200144" "2243325" "2276681" "2330421" "2406494" "2431246" "2529802" "2574098" "2580435" "2637514" "2664094" "2875602" "2880300" "2908086" "2987902" "2995918" "3025381" "3086379" "3113445" "3116243" "3116626" "3156647" "3203013" "3302433" "3304751" "3358301" "3369985" "3384445" "3387310" "3387385" "3388410" "3401052" "3402576" "3410986" "3443406" "3444710" "3473175" "3509742" "3524263" "3546903" "3583181" "3615822" "3635667" "3663160" "3672188" "3705602" "3730682" "3854871" "3935719" "4074984" "4077770" "4097397" "4102824" "4111034" "4137044" "4187138" "4204339" "4207072" "4207638" "4231130" "4267077" "4285219" "4287407" "4311160" "4336024" "4432111" "4471792" "4489574" "4527343" "4559150" "4676077" "4708807" "4756623" "4761896" "4909962" "4919839" "4977394" "4982468" "5037485" "5046337" "5057240" "5112358" "5116426" "5130078" "5161394" "5180438" "5219371" "5222267" "5255840" "5279134" "5302313" "5309587" "5313811")	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 14:58
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		"5360571" "5361322" "5392738" "5425255" "5439655" "5443747" "5461887" "5491857" "5503681" "5503778" "5520827" "5593507"). PN. OR ("5597792" "5628883" "5676705" "5683473" "5683977" "5690750" "5694793" "5705562" "5707613" "5716456" "5722481" "5741365" "5758377" "5769962" "5783092" "5802884" "5811383" "5827329" "5858022" "5865852" "5866005" "5876510" "5877133" "5888250" "5916336" "5929012" "5931971" "5933895" "5940988" "5942007" "5944996" "5953939" "5954869" "5962288" "5977040" "5977045" "5980583" "5985810" "5989203" "6001123" "6006398" "6013683" "6042617" "6042618" "6056789" "6059845" "6060546" "6063135" "6086635" "6114295" "6131421" "6136766" "6148644" "6156074" "6161306" "6177399" "6200352" "6200393" "6200943" "6204233" "6228826" "6242408" "6299076" "6310029" "6311527" "6313079" "6368359" "6384005" "6397874" "6477868" "6507967" "6585781" "6811811" "6854300" "7021087" "RE25784").PN. OR (("2002/0133886" "2004/0187527" "2004/0206133" "2005/0034488" "2005/0217035" "5289703" "6691536" "7406842" "7490493"). URPN.					
L40	108	37 or 38	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 14:58	

L41	335	39 or 40 or 38	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 14:58
L42	52	41 and (soak\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 14:58
L43	27	41 and (soaked)	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 14:58
L44	7	41 and ((soak\$3) same steam)	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 14:59
L45	5	"20020133886"	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 15:28
L46	4	14 and concentrated	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 16:18
L47	7	14 and concentrat\$\$	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 16:23
L48	7	14 and concentrat\$4	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 16:23
L49	167	((wash\$3 or clean\$3 or laundry) adj (device or machine or apparatus)). ab. and (concentrated with detergent)	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 16:26
L50	69	49 and ("68".clas. or 8. clas. or "134".clas.)	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/08 16:26
S1	269151	(wash\$3 or clean\$3 or laundry) (device or machine or apparatus)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/03/03 10:24
S2	9422	S1 and drum and holes	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/03/03 10:39
S3	0	(hole diameter) WITH (less than)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/03/03 10:58
S8	0	S1 and ((hole\$1 near5 diameter\$1) WITH (less than))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/03/03 11:00
S9	876	S2 and ((hole\$1 near5 diameter\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/03/03 11:00
S11	741	S2 and ((hole\$1 near3 diameter\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/03/03 11:01

S12	747	S2 and ((hole\$1 near3 diameter))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/03/03 11:01
S13	16	S12 and (rpm near6 drum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/03/03 11:09
S14	0	("2007/0261715").URPN.	USPAT	AND	ON	2010/03/03 11:15
S15	77	S2 and (rpm near3 drum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/03/03 11:22
S16	267	S12 and (diameter near4 mm)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/03/03 11:30
S17	65	S12 and (diameter near4 mm with drum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/03/03 11:31
S18	4	S17 and S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/03/03 11:31
S19	1	("20020133886").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/06 09:22
S20	1754	lee-dung\$.in. or choi-seung \$.in. or ahn-byung\$.in. or cho-hung\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/05/06 09:47
S21	5625	134/30,31,33.ccls. or 68/3r,5c.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/05/06 09:48
S22	3348	134/30,31,33.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/05/06 09:48
S23	2283	68/3r,5c.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/05/06 09:48
S24	16	S20 and S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/05/06 09:48

S25	5625	134/30,31,33.ccls. or 68/3r,5c.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/05/06 09:48
S26	272383	(wash\$3 or clean\$3 or laundry) (device or machine or apparatus)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/05/06 11:20
S28	9458	S26 and ((clean\$3 or wash \$3) same (steam or (boil \$3 near2 water)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/05/06 11:20
S29	9	S26 and ((clean\$3 or wash \$3) same (steam or (boil \$3 near2 water)) same temperature same ((rpm) or (rotation\$1 per minute \$1)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/05/06 11:25
S30	29	S26 and ((clean\$3 or wash \$3) same (steam or (boil \$3 near2 water)) same ((rpm) or (rotation\$1 per minute\$1)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/05/06 11:28
S31	20	S30 not S29	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/05/06 11:28
S32	28	S26 and ((clean\$3 or wash \$3) same (steam) same ((rpm) or (rotation\$1 per minute\$1)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/05/06 11:29
S33	110	steam washer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/05/06 11:47
S34	9	("2002/0133886").URPN.	USPAT	AND	ON	2010/05/06 13:09
S35	3	"10738551"	USPAT	AND	ON	2010/05/06 15:12
S36	0	"10876049"	USPAT	AND	ON	2010/05/06 15:12
S37	0	"10876062"	USPAT	AND	ON	2010/05/06 15:12
S38	8	((10/970226) or (11/291159) or (10/738551) or (10/876049) or (10/876062)).APP.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/06 15:13
S39	1	(10/555445).APP.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/30 11:04

S40	17	(("6334341") or ("2591143") or ("2904982") or ("2914935") or ("3197980") or ("4794661") or ("3388410") or ("3387310") or ("2432766") or ("4580421")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/30 11:11
S41	0	S40 and steam	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/09/30 11:11
S42	2	S40 and (gas\$3 or steam \$3 or vapor\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/09/30 11:12
S43	407	((wash\$3 or laundry) adj (device or machine)) same (steam) same (drum)	US-PGPUB; USPAT; USOCR	AND	ON	2010/09/30 11:13
S44	91	(((wash\$3 or laundry) adj (device or machine)) same (steam) same (drum)).ab.	US-PGPUB; USPAT; USOCR	AND	ON	2010/09/30 11:14
S45	97214	"8".clas. or "68".clas.	US-PGPUB; USPAT; USOCR	AND	ON	2010/09/30 11:14
S46	321	S45 and S43	US-PGPUB; USPAT; USOCR	AND	ON	2010/09/30 11:14
S47	1884	lee-dung\$.in. or choi-seung \$.in. or ahn-byung\$.in. or cho-hung\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/09/30 12:09
S48	1403	lee-dung\$.in. or choi-seung \$.in. or ahn-byung\$.in. or cho-hung\$.in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/30 12:09
S49	481	lee-dung\$.in. or choi-seung \$.in. or ahn-byung\$.in. or cho-hung\$.in.	FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/09/30 12:09
S50	1884	lee-dung\$.in. or choi-seung \$.in. or ahn-byung\$.in. or cho-hung\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/09/30 12:09
S51	567	((wash\$3 or clean\$3 or laundry) adj (device or machine or apparatus)) same (drum) same (steam)	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/07 18:05

S52	362	((wash\$3 or clean\$3 or laundry) adj (device or machine or apparatus)) same (drum) same (steam) same (rotat\$4 or spin\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/07 18:06
S53	282	S52 and ("134".clas. or "8".clas. or "68".clas.)	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/07 18:09
S54	295	68/5R.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/07 18:10
S56	599	68/5C.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/07 18:12
S57	502	68/5E.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/07 18:12
S58	1760	134/30.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/07 18:14
S59	1099	134/33.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/07 18:14
S60	850	134/31.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/07 18:14
S61	3097	S54 or S56 or S57 or S58	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/07 18:14
S62	1293	S61 and ((laundry or clean \$3 or wash\$3) with (device or apparatus or machine))	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/07 18:15
S63	412	S61 and (((laundry or clean\$3 or wash\$3) with (device or apparatus or machine)).ab.)	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/07 18:15
S64	462	S61 and (((laundry or clean\$3 or wash\$3 or cloth \$3) with (device or apparatus or machine)).ab.)	US-PGPUB; USPAT; USOCR	AND	ON	2011/03/07 18:16
S65	11	(("1376227") or ("1755101") or ("3443406") or ("6520122") or ("6849094") or ("7290412") or ("20050132503") or ("20050262644")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/07 18:23
S66	8	S65 and steam	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2011/03/07 18:28

S67	2	ep-1428924-\$ did.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/07 18:31
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3/8/2011 5:52:05 PM

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